

WEST

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Search Results -

Term	Documents
ACETOBACTER.EPAB.	47
ACETOBACTERS.EPAB.	2
(18 AND ACETOBACTER).EPAB.	0
(L18 AND "ACETOBACTER").EPAB.	0

Database:

- US Patents Full-Text Database
- US Pre-Grant Publication Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Friday, November 15, 2002 [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

DB=EPAB; PLUR=YES; OP=OR

		<u>Hit Count</u>	<u>Set Name</u>
			result set
<u>L23</u>	l18 and "Acetobacter"	0	<u>L23</u>
<u>L22</u>	l18 and "Lactobacillus"	0	<u>L22</u>
<u>L21</u>	L19 and "Acetobacter"	0	<u>L21</u>
<u>L20</u>	L19 and "Lactobacillus"	0	<u>L20</u>
<u>L19</u>	"polysaccharide" and "obesity"	2	<u>L19</u>
<u>L18</u>	"polysaccharide" and "diabetes"	5	<u>L18</u>
<u>L17</u>	L16 and "polysaccharide"	0	<u>L17</u>
<u>L16</u>	"diabetes" and "weight loss"	3	<u>L16</u>
<u>L15</u>	"Acetobacter sp."	0	<u>L15</u>
<u>L14</u>	"KCTC-0773BP"	0	<u>L14</u>
<u>L13</u>	"BC-YO58"	0	<u>L13</u>
<u>L12</u>	"Acetobacter"	47	<u>L12</u>
<u>L11</u>	L10 and "weight"	2	<u>L11</u>
<u>L10</u>	l7 and "polysaccharide"	6	<u>L10</u>
<u>L9</u>	"BC-Y009"	0	<u>L9</u>
<u>L8</u>	"KCTC-0774BP"	0	<u>L8</u>
<u>L7</u>	"Lactobacillus"	309	<u>L7</u>
<u>L6</u>	"Lactobacillus sp." and "polysaccharide"	0	<u>L6</u>
<u>L5</u>	"KCTC-0774BP"	0	<u>L5</u>
<u>L4</u>	"KCTC-0774BP"	0	<u>L4</u>
<u>L3</u>	"Lactobacillus" and "BC-Y009"	0	<u>L3</u>
<u>L2</u>	EP0956867A1	0	<u>L2</u>
<u>L1</u>	EP0956867A1.pn.	0	<u>L1</u>

END OF SEARCH HISTORY

WEST

Search Results - Record(s) 1 through 5 of 5 returned.

 1. Document ID: WO 147528 A2

L18: Entry 1 of 5

File: EPAB

Jul 5, 2001

PUB-NO: WO000147528A2

DOCUMENT-IDENTIFIER: WO 147528 A2

TITLE: NOVEL GLYCOSIDASE INHIBITORS AND THEIR PHARMACOLOGICAL USES, IN PARTICULAR FOR TREATING DIABETES

PUBN-DATE: July 5, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
AGHAJARI, NUSHIN BANU HELENE	FR
ROBERT, XAVIER GUY	FR
HASER, RICHARD MICHEL	FR

INT-CL (IPC): A61 K 31/70

EUR-CL (EPC): A61K031/715; A61K031/00, A61K031/13, A61K031/13, A61K031/16, A61K031/195, A61K031/70, A61K031/70, A61K031/70

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC
Draw Desc Image											

 2. Document ID: EP 867123 A1

L18: Entry 2 of 5

File: EPAB

Sep 30, 1998

PUB-NO: EP000867123A1

DOCUMENT-IDENTIFIER: EP 867123 A1

TITLE: Whole-egg-like foods

PUBN-DATE: September 30, 1998

INVENTOR-INFORMATION:

NAME	COUNTRY
SEKIMOTO, KUNITOSHI	JP

INT-CL (IPC): A23 L 1/32

EUR-CL (EPC): A23L001/32; A23L001/32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC
Draw Desc Image											

 3. Document ID: EP 749697 A1

L18: Entry 3 of 5

File: EPAB

Dec 27, 1996

PUB-NO: EP000749697A1
DOCUMENT-IDENTIFIER: EP 749697 A1
TITLE: Coated food

PUBN-DATE: December 27, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
LAPRE, JOHN ARTHUR	NL
MCNABOLA, WILLIAM THOMAS	NL
VEENSTRA, JAN	NL
DE, VRIES HIELKE TJEERD	NL

INT-CL (IPC): A23 P 1/08; A23 L 1/09; A23 L 1/29; A23 L 1/10
EUR-CL (EPC): A23L001/182; A23P001/04, A23P001/08, A23L001/0522, A23L001/10, A23L001/16, A23L001/164

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC
Drawn Desc Image											

 4. Document ID: WO 9510292 A1

L18: Entry 4 of 5

File: EPAB

Apr 20, 1995

PUB-NO: WO009510292A1
DOCUMENT-IDENTIFIER: WO 9510292 A1
TITLE: DIABETES TREATMENT AND PROPHYLAXIS

PUBN-DATE: April 20, 1995

INVENTOR-INFORMATION:

NAME	COUNTRY
CHATERJI, ARUN K	

INT-CL (IPC): A61 K 35/78; A23 L 1/221
EUR-CL (EPC): A61K035/78; A61K035/78

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC
Drawn Desc Image											

 5. Document ID: EP 567088 A2

L18: Entry 5 of 5

File: EPAB

Oct 27, 1993

PUB-NO: EP000567088A2
DOCUMENT-IDENTIFIER: EP 567088 A2
TITLE: Processes for the preparation of amylase inhibitor.

PUBN-DATE: October 27, 1993

INVENTOR-INFORMATION:

NAME	COUNTRY
TOSHIYUKI, MIYAZAKI	JP
RYUJI, MURAYAMA	JP
TOSHIHISA, MORIMOTO	JP

INT-CL (IPC) : C07K 15/10; A61K 37/64; A23L 1/03
EUR-CL (EPC) : A23L001/03; A61K038/00, C07K014/415

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KINIC
Draw Desc Image										

[Generate Collection](#)[Print](#)

Term	Documents
POLYSACCHARIDE.EPAB.	1474
POLYSACCHARIDES.EPAB.	816
DIABETES.EPAB.	1466
DIABETE.EPAB.	2
(DIABETES AND POLYSACCHARIDE).EPAB.	5
("POLYSACCHARIDE" AND "DIABETES").EPAB.	5

[Display Format:](#) [CIT](#) [Change Format](#)

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WEST

Search Results - Record(s) 1 through 2 of 2 returned.

 1. Document ID: EP 867123 A1

L19: Entry 1 of 2

File: EPAB

Sep 30, 1998

PUB-NO: EP000867123A1

DOCUMENT-IDENTIFIER: EP 867123 A1

TITLE: Whole-egg-like foods

PUBN-DATE: September 30, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

SEKIMOTO, KUNITOSHI

JP

INT-CL (IPC): A23 L 1/32

EUR-CL (EPC): A23L001/32; A23L001/32

<input type="button" value="Full"/>	<input type="button" value="Title"/>	<input type="button" value="Citation"/>	<input type="button" value="Front"/>	<input type="button" value="Review"/>	<input type="button" value="Classification"/>	<input type="button" value="Date"/>	<input type="button" value="Reference"/>	<input type="button" value="Sequences"/>	<input type="button" value="Attachments"/>	<input type="button" value="Claims"/>	<input type="button" value="KIMC"/>
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 2. Document ID: EP 567088 A2

L19: Entry 2 of 2

File: EPAB

Oct 27, 1993

PUB-NO: EP000567088A2

DOCUMENT-IDENTIFIER: EP 567088 A2

TITLE: Processes for the preparation of amylase inhibitor.

PUBN-DATE: October 27, 1993

INVENTOR-INFORMATION:

NAME

COUNTRY

TOSHIYUKI, MIYAZAKI

JP

RYUJI, MURAYAMA

JP

TOSHIHISA, MORIMOTO

JP

INT-CL (IPC): C07K 15/10; A61K 37/64; A23L 1/03

EUR-CL (EPC): A23L001/03; A61K038/00, C07K014/415

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Term	Documents
POLYSACCHARIDE.EPAB.	1474
POLYSACCHARIDES.EPAB.	816
OBESITY.EPAB.	653
OBESITIES	0
OBESITYS	0
(OBESITY AND POLYSACCHARIDE).EPAB.	2
("POLYSACCHARIDE" AND "OBESITY").EPAB.	2

Display Format:

[Previous Page](#) [Next Page](#)

WEST

Search Results - Record(s) 1 through 3 of 3 returned.

 1. Document ID: WO 9856396 A1

L16: Entry 1 of 3

File: EPAB

Dec 17, 1998

PUB-NO: WO009856396A1

DOCUMENT-IDENTIFIER: WO 9856396 A1

TITLE: ADULT-ONSET DIABETES TREATMENT METHOD

PUBN-DATE: December 17, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

LAZARUS, DOUGLAS DAVID

US

INT-CL (IPC): A61 K 35/78

EUR-CL (EPC): A61K038/16

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 2. Document ID: WO 9718806 A1

L16: Entry 2 of 3

File: EPAB

May 29, 1997

PUB-NO: WO009718806A1

DOCUMENT-IDENTIFIER: WO 9718806 A1

TITLE: INHIBITION OF FATTY ACID SYNTHASE AS A MEANS TO REDUCE ADIPOCYTE MASS

PUBN-DATE: May 29, 1997

INVENTOR-INFORMATION:

NAME

COUNTRY

KUHAJDA, FRANCIS P

US

PASTERNACK, GARY R

US

TOWNSEND, CRAIG A

US

MANI, NEELAKANDHA S

US

INT-CL (IPC): A61 K 31/365

EUR-CL (EPC): A61K031/365

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<input type="button" value="Draw Descr"/> <input type="button" value="Image"/>											

 3. Document ID: WO 9629405 A2

L16: Entry 3 of 3

File: EPAB

Sep 26, 1996

PUB-NO: WO009629405A2

DOCUMENT-IDENTIFIER: WO 9629405 A2

TITLE: MODULATORS OF ob GENE AND SCREENING METHODS THEREFOR

PUBN-DATE: September 26, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
BRIGGS, MICHAEL R	
AUWERX, JOHAN	
DE, VOS PIET	
STAELS, BART	
CROSTON, GLENN E	
MILLER, STEPHEN G	

INT-CL (IPC) : C12 N 15/12; C07 K 15/47; C12 N 15/85; G01 N 33/50; A61 K 31/00
EUR-CL (EPC) : C12N015/85; C07K014/575

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RMD](#) |
[Draw Desc](#) | [Clip Img](#) | [Image](#) |

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Term	Documents
DIABETES.EPAB.	1466
DIABETE.EPAB.	2
"WEIGHT LOSS".EPAB.	0
(DIABETES AND "WEIGHT LOSS").EPAB.	3
("DIABETES" AND "WEIGHT LOSS").EPAB.	3

Display Format: [CIT](#) [Change Format](#)

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WEST

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Search Results - Record(s) 1 through 2 of 2 returned.

 1. Document ID: FR 2694196 A1

L11: Entry 1 of 2

File: EPAB

Feb 4, 1994

PUB-NO: FR002694196A1

DOCUMENT-IDENTIFIER: FR 2694196 A1

TITLE: Compsns. active against tumour viruses - obtained by double fermentation of milk or whey using specified starter

PUBN-DATE: February 4, 1994

INVENTOR-INFORMATION:

NAME

COUNTRY

SERGE, ROLLAN

CHRISTIAN, DESHAYES

INT-CL (IPC) : A61K 37/64; A61K 31/505; A61K 31/19; A61K 31/70; A61K 31/17

EUR-CL (EPC) : A61K038/55

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc Image											

 2. Document ID: GB 2090846 A

L11: Entry 2 of 2

File: EPAB

Jul 21, 1982

PUB-NO: GB002090846A

DOCUMENT-IDENTIFIER: GB 2090846 A

TITLE: Anti-tumor polysaccharide

PUBN-DATE: July 21, 1982

US-CL-CURRENT: 435/101; 536/123

INT-CL (IPC) : C12P 19/04

EUR-CL (EPC) : A61K031/715; C12P019/04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc Image											

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Term	Documents
WEIGHT.EPAB.	57656
WT.EPAB.	8037
(10 AND WEIGHT).EPAB.	2
(L10 AND "WEIGHT").EPAB.	2

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(FILE 'HOME' ENTERED AT 17:34:48 ON 15 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPIUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 17:35:31 ON 15 NOV 2002

SEA ACETOBACTER BC-Y009

L1 QUE ACETOBACTER BC-Y009

SEA LACTOBACILLUS (P) (BC-Y009 OR KCTC-0774BP)

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
1* FILE BIOTECHABS
1* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOSBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
1 FILE IFIPAT
0* FILE KOSMET
0* FILE MEDICONF
0* FILE NTIS
0* FILE PASCAL
0* FILE PHARMAML
1 FILE USPATFULL
1 FILE WPIDS
1 FILE WPIINDEX

L2 QUE LACTOBACILLUS (P) (BC-Y009 OR KCTC-0774BP)

FILE 'BIOTECHDS, IFIPAT, USPATFULL, WPIDS' ENTERED AT 17:39:37 ON 15 NOV 2002

L3 4 S L2
L4 3 DUP REM L3 (1 DUPLICATE REMOVED)
L5 4 S ACETOBACTER(P) (BC-Y058 OR KCTC-0773BP)
L6 3 DUP REM L5 (1 DUPLICATE REMOVED)
L7 14 S (ACETOBACTER OR LACTOBACILLUS) AND POLYSACCHARIDE# AND CARRIE
L8 13 DUP REM L7 (1 DUPLICATE REMOVED)
L9 9 S DIABETES AND L8

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPIUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 18:00:21 ON 15 NOV 2002

SEA LACTOBACILLUS AND PROD? (P) POLYSACCHARIDE?

0* FILE ADISNEWS
40 FILE AGRICOLA
29 FILE BIOBUSINESS
0* FILE BIOCOMMERCE
100 FILE BIOSIS
0* FILE BIOTECHABS

104* FILE BIOTECHDS
91* FILE BIOTECHNO
95 FILE CABA
2 FILE CANCERLIT
235 FILE CAPLUS
24* FILE CEABA-VTB
0* FILE CIN
1 FILE DDFB
1 FILE DDFU
51 FILE DGENE
1 FILE DRUGB
1 FILE DRUGU
1 FILE EMBAL
73 FILE EMBASE
51* FILE ESBIOBASE
5* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
113* FILE FROSTI
190* FILE FSTA
15 FILE GENBANK
1 FILE HEALSAFE
23 FILE IFIPAT
16 FILE JICST-EPLUS
2* FILE KOSMET
54 FILE LIFESCI
0* FILE MEDICONF
58 FILE MEDLINE
1* FILE NTIS
120* FILE PASCAL
0* FILE PHARMAML
3 FILE PROMT
137 FILE SCISEARCH
22 FILE TOXCENTER
311 FILE USPATFULL
2 FILE USPAT2
1 FILE VETU
72 FILE WPIDS
0* FILE WPINDEX
QUE LACTOBACILLUS AND PROD? (P) POLYSACCHARIDE?

SEA OBES? AND DIABETES AND L10

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
0* FILE BIOTECHABS
1* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
1* FILE FROSTI
0* FILE FSTA
1 FILE IFIPAT
0* FILE KOSMET
0* FILE MEDICONF
0* FILE NTIS
0* FILE PASCAL
0* FILE PHARMAML
7 FILE USPATFULL
1 FILE WPIDS

L10

L11 0* FILE WPIINDEX
 QUE OBES? AND DIABETES AND L10

FILE 'USPATFULL, BIOTECHDS, FROSTI, IFIPAT' ENTERED AT 18:57:13 ON 15 NOV
2002
L12 10 S L11
L13 9 DUP REM L12 (1 DUPLICATE REMOVED)

=> s l13 and Acetobacter
L14 2 L13 AND ACETOBACTER

=> d 1-2

L14 ANSWER 1 OF 2 USPATFULL
AN 2002:66924 USPATFULL
TI Microorganisms for treatment or prevention of corpulence and
 diabetes mellitus, and pharmaceutical composition containing the
 same
IN Park, Han Oh, Choongcheongbuk-Do, KOREA, REPUBLIC OF
 Bang, Young Bae, Choongcheongbuk-Do, KOREA, REPUBLIC OF
 Joung, Hea Jung, Choongcheongbuk-Do, KOREA, REPUBLIC OF
 Kim, Bong Cheol, Choongcheongbuk-Do, KOREA, REPUBLIC OF
 Kim, Hang Rae, Choongcheongbuk-Do, KOREA, REPUBLIC OF
PI US 2002037577 A1 20020328
AI US 2001-855836 A1 20010516 (9)
PRAI KR 20000517
 KR 20000826
DT Utility
FS APPLICATION
LN.CNT 1444
INCL INCLM: 435/252.900
 INCLS: 424/093.450; 435/252.100
NCL NCLM: 435/252.900
 NCLS: 424/093.450; 435/252.100
IC [7]
 ICM: C12N001-20
 ICS: A61K045-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 2 OF 2 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
AN 2002-06971 BIOTECHDS
TI Novel **Lactobacillus** or **Acetobacter** species, useful
 for treating **obesity** and **diabetes**, reduces the
 monosaccharide/disaccharide amount absorbed into body by converting them
 into non-digestible polymeric material;
 the use of bacterium culture in disease prevention and in dietary
 fiber
AU PARK H; JOUNG H; KIM B; KIM H; BANG Y
PA BIONEER CORP
PI WO 2001088095 22 Nov 2001
AI WO 2000-KR269 17 May 2000
PRAI KR 2000-49805 26 Aug 2000
DT Patent
LA English
OS WPI: 2002-082989 [11]

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(FILE 'HOME' ENTERED AT 17:34:48 ON 15 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 17:35:31 ON 15 NOV 2002

SEA ACETOBACTER BC-Y009

L1 QUE ACETOBACTER BC-Y009

SEA LACTOBACILLUS (P) (BC-Y009 OR KCTC-0774BP)

0* FILE ADISNEWS
0* FILE BIOCOMMERCE
1* FILE BIOTECHABS
1* FILE BIOTECHDS
0* FILE BIOTECHNO
0* FILE CEABA-VTB
0* FILE CIN
0* FILE ESBIOBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
1 FILE IFIPAT
0* FILE KOSMET
0* FILE MEDICONF
0* FILE NTIS
0* FILE PASCAL
0* FILE PHARMAML
1 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

L2 QUE LACTOBACILLUS (P) (BC-Y009 OR KCTC-0774BP)

FILE 'BIOTECHDS, IFIPAT, USPATFULL, WPIDS' ENTERED AT 17:39:37 ON 15 NOV 2002

L3 4 S L2

L4 3 DUP REM L3 (1 DUPLICATE REMOVED)

L5 4 S ACETOBACTER (P) (BC-Y058 OR KCTC-0773BP)

L6 3 DUP REM L5 (1 DUPLICATE REMOVED)

=>

=> d 1-3

L6 ANSWER 1 OF 3 IFIPAT COPYRIGHT 2002 IFI DUPLICATE 1
AN 10094011 IFIPAT; IFIUDB; IFICDB
TI MICROORGANISMS FOR TREATMENT OR PREVENTION OF CORPULENCE AND DIABETES
MELLITUS, AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME;
LACTOBACILLUS FOR USE IN THE TREATMENT OF EATING DISORDERS AND PANCREATIC
DEFECTS
IN Bang Young Bae (KR); Joung Hea Jung (KR); Kim Bong Cheol (KR); Kim Hang
Rae (KR); Park Han Oh (KR)
PA Unassigned Or Assigned To Individual (68000)
PI US 2002037577 A1 20020328
AI US 2001-855836 20010516
PRAI KR 2000-2000102000002637920000517
KR 2000-2000102000004980520000826
FI US 2002037577 20020328
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 45
GI 8 Figure(s).

FIG. 1 is the graph illustrating the absorption rate of glucose by the
microorganisms of the present invention.

FIG. 2 is the graph illustrating the change of blood glucose level after
taking the microorganisms of the present invention.

FIG. 3 is the graph illustrating the change of energy metabolism
efficiency of obese mouse that has taken the microorganism of the present
invention.

FIG. 4 is the graph illustrating the change of energy metabolism
efficiency of control mouse that has taken the microorganism of the
present invention.

FIG. 5 is the graph illustrating the change of the body weight of obese
mouse induced by pharmacological prescription.

FIG. 6 is the graph illustrating the change of the metabolic efficiency of
obese mouse induced by pharmacological prescription.

FIG. 7 is the phylogenetic analysis diagram of Lactobacillus BCY009 based
on 16s rRNA nucleotide sequence of the present invention.

FIG. 8 is the phylogenetic analysis diagram of Lactobacillus BCY058 based
on 16s rRNA nucleotide sequence of the present invention.

L6 ANSWER 2 OF 3 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
AN 2002-06971 BIOTECHDS
TI Novel Lactobacillus or **Acetobacter** species, useful for treating
obesity and diabetes, reduces the monosaccharide/disaccharide amount
absorbed into body by converting them into non-digestible polymeric
material;

the use of bacterium culture in disease prevention and in dietary
fiber

AU PARK H; JOUNG H; KIM B; KIM H; BANG Y
PA BIONEER CORP
PI WO 2001088095 22 Nov 2001
AI WO 2000-KR269 17 May 2000
PRAI KR 2000-49805 26 Aug 2000
DT Patent
LA English
OS WPI: 2002-082989 [11]

L6 ANSWER 3 OF 3 WPIDS (C) 2002 THOMSON DERWENT
AN 2002-082989 [11] WPIDS
DNC C2002-025138
TI Novel Lactobacillus or **Acetobacter** species, useful for treating obesity
and diabetes, reduces the monosaccharide/disaccharide amount absorbed into
body by converting them into non-digestible polymeric material.
DC B04 D16

IN BANG, Y B; JUNG, H J; KIM, B C; KIM, H R; PARK, H O; JOUNG, H J; BANG, Y;
JOUNG, H; KIM, B; KIM, H; PARK, H
PA (BION-N) BIONEER CORP; (BION-N) BIONIA JH; (BANG-I) BANG Y B; (JOUN-I)
JOUNG H J; (KIMB-I) KIM B C; (KIMH-I) KIM H R; (PARK-I) PARK H O
CYC 93
PI WO 2001088095 A1 20011122 (200211)* EN 50p C12N001-20
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
NL OA PT SD SE SL SZ TR TZ UG ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
JP 2001321163 A 20011120 (200211) 20p C12N001-20
AU 2001036170 A 20011126 (200222) C12N001-20
US 2002037577 A1 20020328 (200225) C12N001-20
KR 2001106068 A 20011129 (200234) C12N001-20
ADT WO 2001088095 A1 WO 2001-KR269 20010223; JP 2001321163 A JP 2000-364295
20001130; AU 2001036170 A AU 2001-36170 20010223; US 2002037577 A1 US
2001-855836 20010516; KR 2001106068 A KR 2000-49805 20000826
FDT AU 2001036170 A Based on WO 200188095
PRAI KR 2000-49805 20000826; KR 2000-26379 20000517
IC ICM C12N001-20
ICS A61K035-74; A61K045-00; A61P003-04; A61P003-10
ICI C12N001-20; C12N001-20; C12R001:02; C12R001:225; C12R001:225; C12R001:02;
C12N001-20

=>

=> d 1-3

L4 ANSWER 1 OF 3 IFIPAT COPYRIGHT 2002 IFI DUPLICATE 1
AN 10094011 IFIPAT; IFIUDB; IFICDB
TI MICROORGANISMS FOR TREATMENT OR PREVENTION OF CORPULENCE AND DIABETES
MELLITUS, AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME;
LACTOBACILLUS FOR USE IN THE TREATMENT OF EATING DISORDERS AND PANCREATIC
DEFECTS
IN Bang Young Bae (KR); Joung Hea Jung (KR); Kim Bong Cheol (KR); Kim Hang
Rae (KR); Park Han Oh (KR)
PA Unassigned Or Assigned To Individual (68000)
PI US 2002037577 A1 20020328
AI US 2001-855836 20010516
PRAI KR 2000-2000102000002637920000517
KR 2000-2000102000004980520000826
FI US 2002037577 20020328
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 45
GI 8 Figure(s).
FIG. 1 is the graph illustrating the absorption rate of glucose by the
microorganisms of the present invention.
FIG. 2 is the graph illustrating the change of blood glucose level after
taking the microorganisms of the present invention.
FIG. 3 is the graph illustrating the change of energy metabolism
efficiency of obese mouse that has taken the microorganism of the present
invention.
FIG. 4 is the graph illustrating the change of energy metabolism
efficiency of control mouse that has taken the microorganism of the
present invention.
FIG. 5 is the graph illustrating the change of the body weight of obese
mouse induced by pharmacological prescription.
FIG. 6 is the graph illustrating the change of the metabolic efficiency of
obese mouse induced by pharmacological prescription.
FIG. 7 is the phylogenetic analysis diagram of Lactobacillus BCY009 based
on 16s rRNA nucleotide sequence of the present invention.
FIG. 8 is the phylogenetic analysis diagram of Lactobacillus BCY058 based
on 16s rRNA nucleotide sequence of the present invention.

L4 ANSWER 2 OF 3 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI
AN 2002-06971 BIOTECHDS
TI Novel *Lactobacillus* or *Acetobacter* species, useful for treating
obesity and diabetes, reduces the monosaccharide/disaccharide amount
absorbed into body by converting them into non-digestible polymeric
material;
the use of bacterium culture in disease prevention and in dietary
fiber
AU PARK H; JOUNG H; KIM B; KIM H; BANG Y
PA BIONEER CORP
PI WO 2001088095 22 Nov 2001
AI WO 2000-KR269 17 May 2000
PRAI KR 2000-49805 26 Aug 2000
DT Patent
LA English
OS WPI: 2002-082989 [11]

L4 ANSWER 3 OF 3 WPIDS (C) 2002 THOMSON DERWENT
AN 2002-082989 [11] WPIDS
DNC C2002-025138
TI Novel *Lactobacillus* or *Acetobacter* species, useful for treating obesity
and diabetes, reduces the monosaccharide/disaccharide amount absorbed into
body by converting them into non-digestible polymeric material.
DC B04 D16

IN BANG, Y B; JUNG, H J; KIM, B C; KIM, H R; PARK, H O; JOUNG, H J; BANG, Y;
JOUNG, H; KIM, B; KIM, H; PARK, H
PA (BION-N) BIONEER CORP; (BION-N) BIONIA JH; (BANG-I) BANG Y B; (JOUN-I)
JOUNG H J; (KIMB-I) KIM B C; (KIMH-I) KIM H R; (PARK-I) PARK H O
CYC 93
PI WO 2001088095 A1 20011122 (200211)* EN 50p C12N001-20
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
NL OA PT SD SE SL SZ TR TZ UG ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
JP 2001321163 A 20011120 (200211) 20p C12N001-20
AU 2001036170 A 20011126 (200222) C12N001-20
US 2002037577 A1 20020328 (200225) C12N001-20
KR 2001106068 A 20011129 (200234) C12N001-20
ADT WO 2001088095 A1 WO 2001-KR269 20010223; JP 2001321163 A JP 2000-364295
20001130; AU 2001036170 A AU 2001-36170 20010223; US 2002037577 A1 US
2001-855836 20010516; KR 2001106068 A KR 2000-49805 20000826
FDT AU 2001036170 A Based on WO 200188095
PRAI KR 2000-49805 20000826; KR 2000-26379 20000517
IC ICM C12N001-20
ICS A61K035-74; A61K045-00; A61P003-04; A61P003-10
ICI C12N001-20; C12N001-20; C12R001:02; C12R001:225; C12R001:225; C12R001:02;
C12N001-20

=>

FILE 'USPATFULL, BIOTECHDS, FROSTI, IFIPAT' ENTERED AT 18:57:13 ON 15 NOV
2002

L12 10 S L11
L13 9 DUP REM L12 (1 DUPLICATE REMOVED)
L14 2 S L13 AND ACETOBACTER
L15 1120 S CELLULOSE AND LACTOBACILLUS
L16 82 S ACETOBACTER AND L15
L17 1 S L16 AND DIABETES
L18 6 S L16 AND OBES?
L19 488 S CELLULOSE (P) PRODUC? AND LACTOBACILLUS

=> s l19 and Acetobacter
L20 45 L19 AND ACETOBACTER

=> d 1

d 120 44 ab

L20 ANSWER 44 OF 45 FROSTI COPYRIGHT 2002 LFRA

AB This invention relates to pharmaceutical and food compositions containing **Acetobacter** species, particularly **Acetobacter xylinum**. The compositions can be used for the treatment or prevention of gastroenteral conditions such as diarrhoea, colitis and intestinal dismicrobisms, and for treatment of side effects of antibiotics. Effective compositions containing **Acetobacter** require a significantly lower bacterial load than those containing **Lactobacillus** and other microorganisms. **Acetobacter xylinum** produces cellulose fibrils in the presence of glucose, which have a favourable effect on intestinal peristalsis. **Acetobacter xylinum** has an optimum pH range of between 5 and 6. Suggested food products for the invention include juices, gelatin products, fruit extracts, mousses, creams, sauces, and dressings.

=>

=> d 120 44 ab

L20 ANSWER 44 OF 45 FROSTI COPYRIGHT 2002 LFRA

AB This invention relates to pharmaceutical and food compositions containing **Acetobacter** species, particularly **Acetobacter xylinum**. The compositions can be used for the treatment or prevention of gastroenteral conditions such as diarrhoea, colitis and intestinal dismicrobisms, and for treatment of side effects of antibiotics. Effective compositions containing **Acetobacter** require a significantly lower bacterial load than those containing **Lactobacillus** and other microorganisms. **Acetobacter xylinum** produces cellulose fibrils in the presence of glucose, which have a favourable effect on intestinal peristalsis. **Acetobacter xylinum** has an optimum pH range of between 5 and 6. Suggested food products for the invention include juices, gelatin products, fruit extracts, mousses, creams, sauces, and dressings.

=> d 120 44

L20 ANSWER 44 OF 45 FROSTI COPYRIGHT 2002 LFRA

AN 474840 FROSTI

TI Pharmaceutical and alimentary compositions containing bacteria of the genus **Acetobacter**.

IN Andriolli A.; Panni F.

PA Farmila Farmaceutici Milano Srl

SO PCT Patent Application

PI WO 9830226 A1

AI 19980105

PRAI Italy 19970108

DT Patent

LA English

SL English

=>

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Term	Documents
(2 AND 3).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	13
(L3 AND L2).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	13

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Database:**Search:**

L4

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE: Friday, November 15, 2002** [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>
side by side	

<u>Hit Count</u>	<u>Set Name</u>
result set	

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L4</u>	L3 and l2	13	<u>L4</u>
<u>L3</u>	L1 and "diabetes"	45	<u>L3</u>
<u>L2</u>	L1 and "obesity"	20	<u>L2</u>
<u>L1</u>	"Lactobacillus" and "polysaccharide"	705	<u>L1</u>

END OF SEARCH HISTORY

WEST

Search Results - Record(s) 1 through 10 of 13 returned.

 1. Document ID: US 20020091248 A1

L4: Entry 1 of 13

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020091248

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020091248 A1

TITLE: Myosin IXa and cyclic nucleotide gated channel-15 (CNGC-15) polynucleotides, polypeptides, compositions, methods, and uses thereof

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Adams, Arwen E.	Oakland	CA	US	
Chin, Choi Ying	Castro Valley	CA	US	
Duhl, David	Oakland	CA	US	
Gorman, Susan W.	Santa Monica	CA	US	
Leng, Song	Castro Valley	CA	US	
Sheffield, Val	Iowa City	IA	US	
Welch, Juliet	Kensington	CA	US	

US-CL-CURRENT: 536/23.2; 435/183, 435/320.1, 435/325, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC
Drawn Desc	Image										

 2. Document ID: US 20020037577 A1

L4: Entry 2 of 13

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037577

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020037577 A1

TITLE: Microorganisms for treatment or prevention of corpulence and diabetes mellitus, and pharmaceutical composition containing the same

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Park, Han Oh	Choongcheongbuk-Do		KR	
Bang, Young Bae	Choongcheongbuk-Do		KR	
Joung, Hea Jung	Choongcheongbuk-Do		KR	
Kim, Bong Cheol	Choongcheongbuk-Do		KR	
Kim, Hang Rae	Choongcheongbuk-Do		KR	

US-CL-CURRENT: 435/252.9; 424/93.45, 435/252.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KINIC
Draw Desc	Image										

3. Document ID: US 20020012689 A1

L4: Entry 3 of 13

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020012689

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020012689 A1

TITLE: Method of hydration; infusion packet system(s), support member(s), delivery system(s), and method(s); with business model(s) and Method(s)

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Stillman, Suzanne Jaffe	Los Angeles	CA	US	

US-CL-CURRENT: 424/439; 424/738, 514/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KINIC
Draw Desc	Image										

4. Document ID: US 20020004749 A1

L4: Entry 4 of 13

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004749

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004749 A1

TITLE: Customized food selection, ordering and distribution system and method

PUBLICATION-DATE: January 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Froseth, Barrie R.	Plymouth	MN	US	
Bowers, Raymond	Plymouth	MN	US	
Dickson, Katy P.	Eden Prairie	MN	US	
Geddis, Mike E.	Plymouth	MN	US	
Joy, Myer	Morges	MN	US	
Muller, Paul	Shorewood	MN	US	
Nelson, Kimberly A.	Plymouth	MN	US	
Schroeder, Lisa R.	Plymouth	MN	US	
Schellhaass, Sheri M.	Plymouth	MN	US	
Thoresen Severts, Jeffrey D.	Minneapolis	MN	US	
Van Lengerich, Bernhard	Plymouth	MN	US	
Williams, David E.	Chanhassen	MN	US	
Zietlow, Philip K.	Wayzata	MN	US	

US-CL-CURRENT: 705/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC
Draw Desc	Image									

5. Document ID: US 6468986 B1

L4: Entry 5 of 13

File: USPT

Oct 22, 2002

US-PAT-NO: 6468986

DOCUMENT-IDENTIFIER: US 6468986 B1

TITLE: Compositions and methods for polynucleotide delivery

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zuckermann; Ronald N.	Berkeley	CA		
Dubois-Stringfellow; Nathalie	Berkeley	CA		
Dwarki; Varavani	Alameda	CA		
Innis; Michael A.	Moraga	CA		
Murphy; John E.	Oakland	CA		
Cohen; Fred E.	San Francisco	CA		
Uno; Tetsuo	San Francisco	CA		

US-CL-CURRENT: 514/44; 424/450, 424/486, 435/320.1, 435/325, 435/455, 435/91.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC
Draw Desc	Image									

6. Document ID: US 6376210 B1

L4: Entry 6 of 13

File: USPT

Apr 23, 2002

US-PAT-NO: 6376210

DOCUMENT-IDENTIFIER: US 6376210 B1

TITLE: Methods and compositions for assaying analytes

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yuan; Chong-Sheng	San Diego	CA		

US-CL-CURRENT: 435/18; 435/195, 435/23, 435/252.3, 435/320.1, 435/455

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
Drawn Desc	Image									

7. Document ID: US 6300485 B1

L4: Entry 7 of 13

File: USPT

Oct 9, 2001

US-PAT-NO: 6300485

DOCUMENT-IDENTIFIER: US 6300485 B1

TITLE: Myosin IXa and cyclic nucleotide gated channel-15 (CNGC-15) polynucleotides, polypeptides, compositions, methods, and uses thereof

DATE-ISSUED: October 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adams; Arwen E.	Oakland	CA		
Chiu; Choi Ying	Castro Valley	CA		
Duhl; David	Oakland	CA		
Gorman; Susan W.	Santa Monica	CA		
Leng; Song	Castro Valley	CA		
Sheffield; Val	Iowa City	IA		
Welch; Juliet	Kensington	CA		

US-CL-CURRENT: 536/23.1; 536/23.4, 536/24.1, 536/24.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
Drawn Desc	Image									

8. Document ID: US 6251433 B1

L4: Entry 8 of 13

File: USPT

Jun 26, 2001

US-PAT-NO: 6251433

DOCUMENT-IDENTIFIER: US 6251433 B1

TITLE: Polycationic polymers

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zuckermann; Ronald N.	Berkeley	CA		
Dubois-Stringfellow; Nathalie	Berkeley	CA		
Dwarki; Varavani	Alameda	CA		
Innis; Michael A.	Moraga	CA		
Murphy; John E.	Oakland	CA		
Cohen; Fred E.	San Francisco	CA		
Uno; Tetsuo	San Francisco	CA		

US-CL-CURRENT: 424/486; 424/450, 435/320.1, 525/420, 525/54.1, 530/300, 530/333

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw Desc Image										

9. Document ID: US 5324526 A

L4: Entry 9 of 13

File: USPT

Jun 28, 1994

US-PAT-NO: 5324526

DOCUMENT-IDENTIFIER: US 5324526 A

TITLE: Algin-containing food and beverage

DATE-ISSUED: June 28, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iwata; Kazuyuki	Eniwa			JP
Watanabe; Kazuhiro	Eniwa			JP
Kimura; Yoshiyuki	Kyoto			JP
Okuda; Hiromichi	Matsuyama			JP

US-CL-CURRENT: 426/2; 424/78.01, 426/575, 426/590, 426/804, 514/779, 514/866, 514/911

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw Desc Image										

10. Document ID: US 5283076 A

L4: Entry 10 of 13

File: USPT

Feb 1, 1994

US-PAT-NO: 5283076

DOCUMENT-IDENTIFIER: US 5283076 A

TITLE: Algin-containing food and beverage

DATE-ISSUED: February 1, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kazuyuki; Iwata	Eniwa			JP
Watanabe; Kazuhiro	Eniwa			JP
Kimura; Yoshiyuki	Kyoto			JP
Okuda; Hiromichi	Matsuyama			JP

US-CL-CURRENT: 426/575; 426/590, 426/804

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw	Desc	Image								

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Term	Documents
(2 AND 3).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	13
(L3 AND L2).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	13

Display Format:

[Previous Page](#) [Next Page](#)

WEST**Search Results - Record(s) 11 through 13 of 13 returned.** 11. Document ID: US 4673578 A

L4: Entry 11 of 13

File: USPT

Jun 16, 1987

US-PAT-NO: 4673578

DOCUMENT-IDENTIFIER: US 4673578 A

TITLE: Snack food product with high dietary fiber content and process for producing the same

DATE-ISSUED: June 16, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Becker; Amy J.	New York	NY		
Bagan; James E.	Yonkers	NY		
Medri; Mario W.	Short Hills	NJ		

US-CL-CURRENT: 426/93; 426/618 12. Document ID: US 4568557 A

L4: Entry 12 of 13

File: USPT

Feb 4, 1986

US-PAT-NO: 4568557

DOCUMENT-IDENTIFIER: US 4568557 A

TITLE: Process for producing snack food product with high dietary fiber content

DATE-ISSUED: February 4, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Becker; Amy J.	New York	NY		
Bagan; James E.	Yonkers	NY		
Medri; Mario W.	Short Hills	NJ		

US-CL-CURRENT: 426/618; 426/93

13. Document ID: KR 2001106068 A WO 200188095 A1 JP 2001321163 A AU 200136170 A US 20020037577 A1

L4: Entry 13 of 13

File: DWPI

Nov 29, 2001

DERWENT-ACC-NO: 2002-082989

DERWENT-WEEK: 200234

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Novel Lactobacillus or Acetobacter species, useful for treating obesity and diabetes, reduces the monosaccharide/disaccharide amount absorbed into body by converting them into non-digestible polymeric material

INVENTOR: BANG, Y B; JUNG, H J ; KIM, B C ; KIM, H R ; PARK, H O ; JOUNG, H J ; BANG, Y ; JOUNG, H ; KIM, B ; KIM, H ; PARK, H

PRIORITY-DATA: 2000KR-0049805 (August 26, 2000), 2000KR-0026379 (May 17, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2001106068 A	November 29, 2001		000	C12N001/20
WO 200188095 A1	November 22, 2001	E	050	C12N001/20
JP 2001321163 A	November 20, 2001		020	C12N001/20
AU 200136170 A	November 26, 2001		000	C12N001/20
US 20020037577 A1	March 28, 2002		000	C12N001/20

INT-CL (IPC): A61 K 35/74; A61 K 45/00; A61 P 3/04; A61 P 3/10; C12 N 1/20; C12 N 1/20; C12 R 1:02; C12 R 1:225; C12 R 1:225; C12 R 1:02; C12 N 1/20

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

KMD

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Term	Documents
(2 AND 3).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	13
(L3 AND L2).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	13

[Display Format:](#)

[Previous Page](#) [Next Page](#)

=> d 120 32 ab

L20 ANSWER 32 OF 45 USPATFULL

AB Cellulose fermentation by cellulose-digesting microorganisms is increased by conducting the fermentation in the presence of a minor amount of a compound of the formula ##STR1## wherein R' is haloalkyl and the carbocyclic ring has from 0 to 3 sites of olefinic unsaturation.

=> d 120 32 kwic

L20 ANSWER 32 OF 45 USPATFULL

SUMM The process of the invention is particularly useful for increasing the fermentation rate of **cellulose** by rumen microorganisms and for increasing the fermentation rate of cellulosic waste **products** by sewage microorganisms. Microorganisms commonly present in sewage sludge of sewage treatment plants include anaerobic and aerobic bacteria such as *Escherichia coli*, *Lactobacillus fermentans*, *Acetobacter viscosus*, *Acinetobacter calcoaceticus*, *Actinobacillus* sp., *Alcaligenes eutrophus*, *Brevibacterium ammoniagenes*, *Bacillus subtilis*, *Celevibrio gilvus*, *Pseudomonas viscosa*, *Cellutomonas* sp., *Bacillus polymyxa*, *Streptococcus*. . .

CLM What is claimed is:

2. The method of claim 1 wherein the **cellulose** is cellulosic waste **products**.

=>

d 120 32

L20 ANSWER 32 OF 45 USPATFULL
AN 80:30727 USPATFULL
TI Cellulose fermentation process
IN MacFadden, Donald L., Bristol, TN, United States
PA Chevron Research Company, San Francisco, CA, United States (U.S.
corporation)
PI US 4209590 19800624
AI US 1978-916435 19780619 (5)
DT Utility
FS Granted
LN.CNT 276
INCL INCLM: 435/244.000
INCLS: 435/105.000; 435/252.000; 426/053.000; 435/804.000; 435/822.000
NCL NCLM: 435/244.000
NCLS: 426/053.000; 435/105.000; 435/252.000; 435/804.000; 435/822.000
IC [2]
ICM: C12B001-00
EXF 195/33; 195/114; 426/2; 426/53; 426/807; 435/105; 435/244; 435/252
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 120 32 ab

L20 ANSWER 32 OF 45 USPATFULL
AB Cellulose fermentation by cellulose-digesting microorganisms is increased by conducting the fermentation in the presence of a minor amount of a compound of the formula ##STR1## wherein R' is haloalkyl and the carbocyclic ring has from 0 to 3 sites of olefinic unsaturation.

=> d 120 32 kwic

L20 ANSWER 32 OF 45 USPATFULL
SUMM The process of the invention is particularly useful for increasing the fermentation rate of cellulose by rumen microorganisms and for increasing the fermentation rate of cellulosic waste products by sewage microorganisms. Microorganisms commonly present in sewage sludge of sewage treatment plants include anaerobic and aerobic bacteria such as *Escherichia coli*, *Lactobacillus fermentans*, *Acetobacter viscosus*, *Acinetobacter calcoaceticus*, *Actinobacillus* sp., *Alcaligenes eutrophus*, *Brevibacterium ammoniagenes*, *Bacillus subtilis*, *Celevibrio gilvus*, *Pseudomonas viscosa*, *Cellutomonas* sp., *Bacillus polymyxa*, *Streptococcus*.
CLM What is claimed is:
2. The method of claim 1 wherein the cellulose is cellulosic waste products.

=>